AMENDMENTS TO THE SPECIFICATION:

Please replace the paragraph beginning at page 2, line 11, with the following rewritten paragraph:

The optical fiber grating part specified in the document 1 is illustrated in FIG.5. The temperature compensation of the optical fiber grating part of the document 1 is realized by installing two base plates 2 that have a high coefficient of linear thermal expansion on both sides of a pedestal 1 that has a low coefficient of linear thermal expansion, and fixing an optical fiber 4 with each ~~adhesive part~~boss 3 of the base plate 2, and adding a predetermined tensile force to an optical fiber grating 5.

Please replace the paragraph beginning at page 3, line 7, with the following rewritten paragraph:

The first embodiment of the present invention is an optical fiber grating part comprising~~-~~;

an elongated pedestal~~, and~~,

a base plate installed on said pedestal, and having a different coefficient of linear thermal expansion from said pedestal, and

an optical fiber passing through said pedestal, and connected to connection points installed on said pedestal or said base plate located apart from each other in the longitudinal direction of said pedestal, and having an optical fiber grating located between said connection points,

wherein a predetermined tensile force is added to said optical fiber grating,

and

said pedestal and said base plates thermally expand or thermally shrink independently in the longitudinal direction of said pedestal, and

an extension line of an axis of said optical fiber joining said connection points passes through a contact surface between said pedestal and said base plate.

Please replace the paragraph beginning at page 3, line 23, with the following rewritten paragraph:

Another embodiment of the present invention is an optical fiber grating part comprising-;
an elongated pedestal, ~~and~~
a base plate installed on said pedestal, and having a different coefficient of linear thermal expansion from said pedestal, and
an optical fiber passing through said pedestal, and connected to connection points installed on said pedestal or said base plate located apart from each other in the longitudinal direction of said pedestal, and having an optical fiber grating located between said connection points,
wherein a predetermined tensile force is added to said optical fiber grating,
and
said pedestal and said base plates thermally expand or thermally shrink independently in the longitudinal direction of said pedestal, and
an offset distance between said connection point and a contact surface of said pedestal and said base plate is minimized.

Please replace the paragraph beginning at page 8, line 7, with the following rewritten paragraph:

The optical fiber 4 is fixed to the ~~notches~~bosses 3 of the base plates, for example, with using an adhesive agent, and the most part of the optical fiber 4 is suspended over the bottom surface 2f of the longitudinal groove 8 and the bottom surface of the notch 9.

Please replace the paragraph beginning at page 8, line 28, with the following rewritten paragraph:

Therefore, regarding difference of the coefficient of linear thermal expansion between the pedestal 1 and the base plate 2, the length L from the connection part 2b of the base plate 2 to the beam 2c of the boss 3 relates to the thermal expansion or thermal shrinkage. If the pedestal 1 is made of the inber and the base plate 2 is made of aluminum, the coefficient of linear thermal expansion of the inber is low and around 1×10^{-6} / degree Celsius or less, the coefficient of linear thermal expansion of aluminum is around 20×10^{-6} / degree Celsius.

Please replace the paragraph beginning at page 11, line 17, with the following rewritten paragraph:

Therefore, according to the above-mentioned construction, the tensile force does not create the moment load to the connection part 2b of the base plate 2, and the fitting condition between the connection part 2b of the base plate 2 and the connection concavity 6 of the pedestal 1 can be stably kept. As a result, the connection point between the pedestal ~~2~~1 and the base plate 2 is stably kept for a long time, and the pre-tensile force to the optical fiber 4 does not change.

Please replace the paragraph beginning at page 12, line 23, with the following rewritten paragraph:

Though the inber is used for the material of the pedestal 1, and aluminum is used for the material of the base plate 2 in the above-mentioned embodiment, a combination of the inber and stainless steel or a combination of titanium and aluminum is also possible. A coefficient of linear thermal expansion of the stainless steel is lower than that of the aluminum, however, the stainless steel has a merit such as high strength. The titanium is less expensive than the inber, however, a coefficient of linear thermal expansion of the titanium is higher than that of the inber. These factors shall be fully considered because the construction size relates to the coefficient of linear thermal expansion.